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APPLICANT: FUJI ELELCTROCHEM CO LTD;

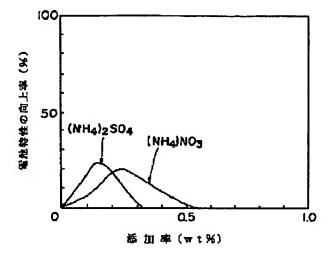
INVENTOR: NAGURA HIDEAKI;

INT.CL.

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TITLE

: LITHIUM SECONDARY BATTERY



ABSTRACT: PURPOSE: To improve the battery characteristic (capacity, cycle characteristic, high-current-density resistance, high-operating-voltage resistance) of lithium secondary battery.

> CONSTITUTION: As a positive electrode of a lithium secondary battery, lithium-metal compound oxide, to which nitrate or sulfate at 1% or less of weight ratio is added, is used. Negative ion of nitrate or sulfate (NO₃ or SO₄²⁻) is left in the lithium-metal compound oxide to separate the interface. Contact of the active material with the electrolyte is thereby hindered to prevent the decomposition of the electrolyte, and the battery characteristic is improved.

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